

of the microscope, he found to be an eye, composed of a vitreous body, having nearly two-thirds of its posterior part covered by pigmentum nigrum, and attached to a nervous filament, which he afterwards traced to the supra-œsophageal ganglia. The presence of this organ in other species or genera, he had not yet had an opportunity of determining.—*Proc. Acad. Nat. Sci. Jan. 11, 1848, p. 1. vol. v.*

METEOROLOGICAL OBSERVATIONS FOR JULY 1848.

Chiswick.—July 1. Clear: cloudy and cold: clear. 2. Fine: overcast. 3. Drizzly: overcast. 4. Overcast. 5, 6. Very fine. 7. Sultry: cloudy. 8. Fine: heavy showers. 9. Constant rain. 10—13. Very fine. 14. Very fine: thunder, lightning and rain at night. 15. Cloudy and fine: clear at night. 16—18. Very fine. 19. Cloudy. 20. Cloudy and boisterous. 21. Clear: cloudy: rain. 22. Clear: cloudy. 23. Cloudy: fine: rain. 24. Cloudy and fine. 25. Rain. 26. Overcast: boisterous, with slight rain. 27. Cloudy. 28, 29. Very fine. 30. Overcast: rain. 31. Rain: overcast.

Mean temperature of the month	62°·9
Mean temperature of July 1847	65 ·84
Mean temperature of July for the last twenty years	65 ·14
Average amount of rain in July	2·36 inches.

Boston.—July 1. Rain: rain A.M. and P.M. 2. Fine: rain P.M. 3. Fine. 4. Cloudy. 5. Fine. 6. Fine: thermometer 84° 2 P.M. 7. Cloudy. 8. Windy. 9. Rain. 10. Cloudy. 11. Fine. 12. Cloudy. 13. Fine. 14. Fine: rain and thunder P.M. 15. Cloudy. 16—18. Fine. 19. Cloudy. 20. Cloudy: rain, with thunder and lightning P.M. 21. Fine: rain P.M. 22. Fine. 23, 24. Cloudy: rain P.M. 25. Cloudy: rain A.M. 26. Rain: rain A.M. and P.M. 27. Cloudy. 28. Fine. 29, 30. Cloudy. 31. Cloudy: rain A.M.

Applegarth Manse, Dumfries-shire.—July 1. Dull A.M.: cleared and fine. 2. Heavy showers. 3, 4. Fair and fine, though sharp. 5. Cloudy P.M., but fair. 6. Heavy rain A.M.: cleared. 7. Heavy shower. 8. Very heavy showers. 9. Rain A.M.: cleared P.M. 10. Fine, but cloudy. 11. Fine: warm. 12. Very fine. 13. Very sultry: thunder. 14. Fine soft shower P.M. 15. Fine: thunder. 16. Fine bracing air. 17. Fine, but cool. 18. Drizzling day. 19. Rain all day. 20. Frequent showers. 21. Bright and dry: shower P.M. 22. Wet nearly all day. 23. Occasional showers. 24. Fine: slight shower. 25. Wet. 26. Fine throughout. 27. Heavy shower: thunder. 28. Showery: fine P.M. 29. Fair and fine. 30. Rain all day. 31. Fine, though cloudy.

Mean temperature of the month	56°·5
Mean temperature of July 1847	61 ·5
Mean temperature of July for the last twenty-five years .	58 ·1
Average amount of rain in July for twenty years	3·91 inches.

Sandwick Manse, Orkney.—July 1. Bright: drops. 2. Bright: clear. 3. Clear. 4. Cloudy: damp. 5. Bright: cloudy. 6. Rain: cloudy. 7. Bright: thunder and rain. 8. Bright: fog. 9. Fog. 10. Cloudy: clear. 11. Bright: rain. 12. Bright: damp. 13. Cloudy. 14. Cloudy: clear. 15. Bright: drizzle. 16, 17. Damp: drizzle. 18. Showers: cloudy. 19. Rain: damp. 20. Damp: rain. 21. Bright: drops. 22. Bright: rain. 23. Showers: clear. 24. Bright: clear: showers. 25. Bright: heavy showers. 26. Bright: drops. 27. Rain: damp. 28. Clear. 29. Clear: fine. 30. Showers: rain. 31. Clear: cloudy.